Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/05/2015 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124050	-1	1.59	123860	1.57
Blue	F	SSC	125000	123212	-2	2.28	124111	1.98
Blue	E	FITC	17374	16776	-4	2.28	944	8.25
Blue	D	PE	22653	21809	-4	1.86	986	7.70
Blue	B	PerCP-Cy5-5	64987	63755	-2	2.51	1689	12.22
Blue	A	PE-Cy7	74081	72919	-2	3.57	958	23.15
Red	C	APC	61430	60560	-2	2.71	3425	8.13
Red	A	APC-Cy7	88289	88360	0	2.79	1747	7.69
Violet	B	V450	12535	12029	-5	2.81	743	6.91
Violet	A	V500	47468	45705	-4	2.32	2585	4.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20179	4.68	581	2	N/A	N/A	Pass
Blue	F	SSC	61612	1.33	492	3	N/A	N/A	Pass
Blue	E	FITC	103	33.78	511	2	0.0299	156	Pass
Blue	D	PE	204	23.76	503	2	0.1907	149	Pass
Blue	B	PerCP-Cy5-5	204	37.07	584	4	0.0128	0	Pass
Blue	A	PE-Cy7	72	91.65	642	5	0.0172	10	Pass
Red	C	APC	318	26.01	576	6	0.0213	0	Pass
Red	A	APC-Cy7	110	37.44	553	7	0.0053	999	Pass
Violet	B	V450	78	38.75	446	-3	0.0688	2274	Pass
Violet	A	V500	170	17.76	475	-3	0.0188	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.18	-30.91	0.89
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.31
Red	14.36	13.07 - 19.61	N/A	N/A	31.49	31.73	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10119

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments